

REMARKS

Claim Rejections

Claims 1-3 are rejected under 35 U.S.C. § 102(e) as being anticipated by Tagami (U.S. 6,269,168). Claim 4 is objected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Drawings

It is noted that no Patent Drawing Review (Form PTO-948) was received with the outstanding Office Action. Thus, Applicant must assume that the drawings are acceptable as filed.

Amendments to Specification

Applicant has amended the specification as noted above to provide proper antecedent basis for reference number 3. No "new matter" has been added to the original disclosure by the foregoing amendments to the specification.

New Claims

By this Amendment, Applicant has canceled claim 4, amended claims 1 and 2, and has added new claims 5-8 to this application. It is believed that the new claims specifically set forth each element of Applicant's invention in full compliance with 35 U.S.C. § 112, and define subject matter that is patentably distinguishable over the cited prior art.

Claim 1 has been amended to include the language of claim 4, thereby redrafting claim 4 in independent form. Since no prior art was cited against claim 4, it is believed that claims 1-3 are in condition for allowance.

The new claims are directed toward a single magnetic circuit dual output speaker structure comprising: a support retainer (1) having: an expanded opening (11) on a front thereof; and a bridge (9) located over a from of the expanded opening; a magnetic circuit (5) located in a middle of the bridge and having: a first vibrating space (51) located on a bottom thereof; and a second vibrating space (52)

located on a top thereof; a first voice coil (2) located in the first vibrating space of the magnetic circuit; a second voice coil (6) located in the second vibrating space of the magnetic circuit; a first diaphragm (7) located in the expanded opening of the support retainer and having an interior diameter connected to the first voice coil; a second diaphragm (8) located above the expanded opening of the support retainer and having an interior diameter connected to the second voice coil; a damper (3) located on a back of the support retainer and connected with the first voice coil, wherein the magnetic circuit provides dual outputs of high and low pitches.

Other embodiments of the present invention include: the first voice coil has a length and a diameter that is different from a length and a diameter of the second voice coil, the magnetic circuit including a sleeve (54) and a ring-shaped magnet (55) located within the sleeve, the sleeve having two holes and two caps (53, 56), one of the two caps covering each of the two holes; the first diaphragm having a shape of a bowl and an aperture at a center of a bottom thereof, the second diaphragm is a circular plate having a protruding ring (81) at a center thereof and a circular protrusion (82) located on an outer periphery of the protruding ring; and the support retainer includes a circular cover (15) connected to the bridge, a trumpet-shaped base (17) connected to the circular cover, the bridge having a small circular cover (16) located in the middle of the bridge and aligning with the magnetic circuit.

The cited reference to Tagami et al. teaches a speaker apparatus having a frame (8), first and second magnets (24, 25), a first vibrating plate (15), a dome-shaped cap (13), and a second vibrating plate (46).

Tagami et al. do not teach a magnetic circuit having a first vibrating space located on a bottom thereof and a second vibrating space located on a top thereof; a second voice coil located in the second vibrating space of the magnetic circuit; a second diaphragm located above the expanded opening of the support retainer and having an interior diameter connected to the second voice coil; the magnetic circuit including a sleeve and a ring-shaped magnet located within the sleeve, the sleeve having two holes and two caps, one of the two caps covering each of the two holes; the support retainer includes a circular cover connected to the bridge; nor do Tagami et al. teach the bridge having a small circular cover located in the middle of the bridge and aligning with the magnetic circuit.

It is axiomatic in U.S. patent law that, in order for a reference to anticipate a claimed structure, it must clearly disclose each and every feature of the claimed structure. Applicant submits that it is abundantly clear, as discussed above, that Tagami et al. do not disclose each and every feature of Applicant's new claims and, therefore, could not possibly anticipate these claims under 35 U.S.C. § 102. Absent a specific showing of these features, Tagami et al. cannot be said to anticipate any of Applicant's new claims under 35 U.S.C. § 102.

It is further submitted that Tagami et al. do not disclose, or suggest any modification of the specifically disclosed structures that would lead one having ordinary skill in the art to arrive at Applicant's claimed structure. Thus, it is not believed that Tagami et al. render obvious any of Applicant's new claims under 35 U.S.C. § 103.

Summary

In view of the foregoing amendments and remarks, Applicant submits that this application is now in condition for allowance and such action is respectfully requested. Should any points remain in issue, which the Examiner feels could best be resolved by either a personal or a telephone interview, it is urged that Applicant's local attorney be contacted at the exchange listed below.

Respectfully submitted,

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By: _____


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